What is claimed is:

1. A compound having formula (I)

$$A \underset{B}{\underbrace{\downarrow}} \underset{m}{\underbrace{\downarrow}} \underset{H}{\underbrace{\downarrow}} \underset{D}{\underbrace{\bigvee}} V - Z$$

5

or a pharmaceutically suitable salt, ester or prodrug thereof, wherein

A is selected from the group consisting of CO₂H and tetrazole

B is selected from the group consisting of H, F, OH, alkoxy and $-N(R_aR_b)$ - wherein R_a and R_b are each independently selected from the group consisting of hydrogen, alkyl, alkylcarbonyl, alkylsulfonyl alkoxyalkyl, cycloalkyl, cycloalkylcarbonyl, cycloalkylsulfonyl, cycloalkylalkyl, heterocycle, heterocyclealkyl, heterocyclecarbonyl and heterocyclesulfonyl;

D is selected from the group consisting of aryl and heteroaryl;

E is $-(CH_2)_n$ -;

m and n are each independently 0, 1, or 2;

15

10

V is selected from the group consisting of $-C(R_c)$ - and -N-, wherein R_c is selected from the group consisting of hydrogen, alkyl, alkoxy, alkoxyalkyl, cycloalkyl, cycloalkyloxy, cycloalkylalkyl, heterocycle and heterocyclealkyl;

W is selected from the group consisting of -C(R_dR_e)-, -(R_d)N-, -O-, -S-, -S(O)-, and -S(O)₂-;

20

X is selected from the group consisting of -C(O)-, -C(O)C(R_fR_g)-, -C(R_fR_g)C(O)-, -C(S)-, -C(R_fR_g)-, -C(R_fR_g)C(R_iR_i)-, -C=N(R_i)-, -S(O)- and -S(O)₂-;

Y is selected from the group consisting of $-C(R_kR_m)$ -, $-(R_k)N$ -, -O-, -S-, -S(O)- and -S(O)₂-;

25 and

Z is selected from the group consisting of a bond, $-C(R_pR_q)$ - and $-C(R_pR_q)C(R_sR_t)$ -;

 R_d , R_e , R_f , R_g , R_i , R_j , R_k , R_m , R_p , R_q , R_s and R_t are each independently selected from the group consisting of hydrogen, alkyl, alkoxy, alkoxyalkyl, aryl, arylalkyl, aryloxy, arylalkoxy, cycloalkyl, cycloalkylalkyl, cycloalkyloxy, cycloalkylalkyl, heterocycle, heterocyclealkyl, heterocycleoxy, and heterocyclealkoxy.

30

2. The compound according to claim 1 wherein

m is 1;

n is 1;

A is CO₂H;

35 B is H; and

D is phenyl.

35

A is CO₂H;

D is phenyl;

B is H;

```
3.
                 The compound according to claim 1 wherein
                 m is 1;
 5
                 n is 1;
                 A is CO<sub>2</sub>H;
                 B is H;
                 D is phenyl;
                 W is -(R_d)N-;
                 X \text{ is } -C(O)-;
10
                 V is -C(R_c)-;
                 Y is -(R_k)N-; and
                 Z is -C(R_pR_q)-.
15
         4.
                 The compound according to claim 1 wherein
                 m is 1;
                 n is 1;
                 A is CO<sub>2</sub>H;
                 B is H;
20
                 D is phenyl;
                 W is -(R_d)N-;
                 X \text{ is } -C(O)-;
                 V is -C(R_c)-;
                 Y is -(R_k)N-;
                 Z is -C(R_pR_q)-; and
25
                 R<sub>d</sub> is t-butylphenyl.
         5.
                 The compound according to claim 4 wherein the compound is
                 N-(4-{3-(4-tert-butylphenyl)-2-oxo-1-[4-(trifluoromethoxy)phenyl]imidazolidin-4-
         yl}benzoyl)-beta-alanine.
30
         6.
                 The compound according to claim 1 wherein
                 m is 1;
                 n is 1;
```

```
W is -(R_d)N-;
                X \text{ is } -C(O)-;
                V is -C(R_c)-;
                Y is -(R_k)N-;
 5
                Z is -C(R_pR_q)-; and
                R<sub>d</sub> is selected from the group consisting of cis 4-t-butyleyclohexyl and trans 4-t-
        butylcyclohexyl.
        7.
                The compound according to claim 6 wherein the compound is selected from the group
10
        consisting of
                N-(4-{3-(4-tert-butylcyclohexyl)-2-oxo-1-[4-(trifluoromethoxy)phenyl]imidazolidin-
        4-yl}benzoyl)-beta-alanine;
                N-{4-[1-(4-bromophenyl)-3-(4-tert-butylcyclohexyl)-2-oxoimidazolidin-4-
        yl]benzoyl}-beta-alanine;
15
                N-{4-[3-(4-tert-butylcyclohexyl)-2-oxo-1-(4-phenoxyphenyl)imidazolidin-4-
        yl]benzoyl}-beta-alanine;
                N-{4-[1-(4-bromophenyl)-3-(4-tert-butylcyclohexyl)-2-oxoimidazolidin-4-
        yl]benzoyl}-beta-alanine; and
                N-{4-[1-(1,1'-biphenyl-4-yl)-3-(4-tert-butylcyclohexyl)-2-oxoimidazolidin-4-
20
        yl]benzoyl}-beta-alanine.
        8.
                The compound according to claim 1 wherein
                m is 1;
                n is 1;
25
                A is CO<sub>2</sub>H;
                B is H;
                D is phenyl;
                W is -(R_d)N-;
                X \text{ is } -C(O)-;
30
                V is -C(R_c)-;
                Y is -(R_k)N-; and
                Z is -C(R_pR_q)C(R_sR_t)-.
        9.
                The compound according to claim 1 wherein
35
                m is 1;
                n is 1;
                A is CO<sub>2</sub>H;
```

```
B is H;
                 D is phenyl;
                 W is -(R_d)N-;
                 X is -C=N(R_i)-;
 5
                 V is -C(R_c)-;
                 Y is O; and
                 Z is -C(R_pR_q)-.
         10.
                 The compound according to claim 1 wherein
10
                 m is 1;
                 n is 1;
                 A is CO<sub>2</sub>H;
                 B is H;
                 D is phenyl;
15
                 W is -(R_d)N-;
                 X is -C=N(R_i)-;
                 V is -C(R_c)-;
                 Y is O;
                 Z is -C(R_pR_q)-; and
20
                 R<sub>d</sub> is t-butylphenyl.
         11.
                 The compound according to claim 1 wherein
                 m is 1;
                 n is 1;
25
                 A is CO<sub>2</sub>H;
                 B is H;
                 D is phenyl;
                 W is -(R_d)N-;
                 X is -C=N(R_i)-;
30
                 V is -C(R_c)-;
                 Y is O;
                 Z is -C(R_pR_q)-; and
                 R<sub>d</sub> is selected from the group consisting of cis 4-t-butyleyclohexyl and trans 4-t-
         butylcyclohexyl.
```

12. The compound according to claim 11 wherein the compound is selected from the group consisting of

35

N-[4-((2Z)-3-(4-tert-butylcyclohexyl)-2-{[4-(trifluoromethoxy)phenyl]imino}-1,3-oxazolidin-4-yl)benzoyl]-beta-alanine;

N-{4-[(2Z)-2-[(4-bromophenyl)imino]-3-(4-tert-butylcyclohexyl)-1,3-oxazolidin-4-yl]benzoyl}-beta-alanine;

N-(4-{(2Z)-3-(4-tert-butylcyclohexyl)-2-[(4-phenoxyphenyl)imino]-1,3-oxazolidin-4-yl}benzoyl)-beta-alanine; and

N-{4-[(2Z)-2-(1,1'-biphenyl-4-ylimino)-3-(4-tert-butylcyclohexyl)-1,3-oxazolidin-4-yl]benzoyl}-beta-alanine.

- 10 13. The compound according to claim 1 wherein
 - m is 1;

n is 1;

A is CO₂H;

B is H;

D is phenyl;

5

20

30

35

W is $-(R_d)N$ -;

X is $-C=N(R_i)$ -;

V is $-C(R_c)$ -;

Y is $-(R_k)N$ -; and

Z is $-C(R_pR_q)$ -.

- 14. A pharmaceutical composition comprising a therapeutically effective amount of the compound of claim 1 in combination with a pharmaceutically suitable carrier.
- 25 15. A method of selectively antagonizing the glucagon receptor in a mammal comprising administering an effective amount of the compound of claim 1.
 - 16. A method of treating type 2 diabetes in a mammal comprising administering a therapeutically effective amount of the compound of claim 1.
 - 17. A method of treating symptoms related to type 1 or type 2 diabetes in a mammal wherein said symptoms are selected from the group consisting of hyperglycemia, hyperinsulinemia, inadequate glucose clearance, obesity, hyperlipidemia, lipid metabolism disorders and hypertension comprising administering a therapeutically effective amount of the compound of claim 1.
 - 18. A method of treating diabetes or Syndrome X, comprising administration of the

compound of formula (I) of claim 1 in combination with an existing anti-diabetic agent selected from the group consisting of insulin, mecasermin, nateglinide, metformin, chlorpropamide, glipizide, glyburide, troglitazone, pioglitazone, rosiglitazone, acarbose, voglibose, miglitol, zopolrestat and repaglinide.

5

19. A method of treating obesity comprising administrating the compound of formula (I) of claim 1 in combination with an anti-obesity agent selected from the group consisting of orlistat, sibutramine, dexfenfluramine, bromocryptine, phentermine, phendimetrazine and mazindol.

10